

Appln No. 09/747,392

Amdt date May 11, 2004

Reply to Office action of February 10, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. A mobile set having a voice recording means for storing voice conversations received through the mobile set and capable of playback on the mobile set, the mobile set comprising:

(a) a uplink/downlink switch for selecting speech frames from either [a] an uplink or a downlink signal, the uplink signal carrying a first speech frame transmitted by the mobile set to a second device during a voice conversation, and the downlink signal carrying a second speech frame received by the mobile set from the second device during the voice conversation;

(b) at least one switching logic controller for switching between the uplink and downlink signals;

(c) a method of file header generation for generating headers for recorded speech files;

(d) a recorder controlling means for configuring and controlling of a recorder operation in one of several modes available to a subscriber; and

(e) a memory element storing the selected speech frames into a speech file.

2. A method [if] in a mobile set for storing voice recordings, the method comprising:

Appln No. 09/747,392

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(a) controlling a processor to identify speech containing time frames from at least one uplink and at least one downlink signal, the uplink signal carrying a first speech frame transmitted by the mobile set to a second device during a voice conversation, and the downlink signal carrying a second speech frame received by the mobile set from the second device during the voice conversation; and

(b) recording the speech containing time frames from said uplink and said downlink signals such that each time frame is recorded sequentially with a time stamp for each time frame.

3. The method as in claim 2, wherein the voice detector is a processor having a buffer for storing multiple time frames of uplink and downlink signals, and capable of assigning each time frame a logic value while sorting through signals of the same time frame.

4. A method in a mobile set for determining record worthy voice time frames, the method comprising:

(a) receiving a first signal in a voice activity detector;
(b) receiving a second signal in the voice activity detector;

(c) comparing the first signal to the second signal, wherein the first and second signals have the same time stamp, and selecting the signal having a high logic value for recording; and

(d) substituting the low logic value signal with a placeholder marker for recording.

Appln No. 09/747,392

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5. The method of claim 4, wherein step (d) alternatively comprises:

(d) Recording the low logic value signal without performing any substitution.

6. The method of claim 4, wherein the first voice signal is a uplink signal, and the second voice signal is a downlink signal.

7. The method of claim 4, wherein the first signal or the second signal contains a plurality of signals of the same type.